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Deep Draft Navigation Planning Center of Expertise
Small Boat Harbor Planning Sub-Center of Expertise

Bernard Moseby

Mobile District, U.S. Army Corps of Engineers

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DDNPCX Vision Statement

Transform the Deep Draft Navigation Planning Center of Expertise and Small Boat Harbor Planning Sub-center of Expertise into technical leaders in deep draft and small boat harbor planning support to USACE and the Nation

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DDNPCX Mission Statement

To strengthen USACE's ability to produce quality deep draft and small boat harbor decision documents by:

Lead the Deep Draft Nav and Small Boat Harbor Communities of Practice

Train/develop coastal navigation planners

Provide interpretations of policy/guidance related to coastal navigation

Develop processes, procedures, and technical expertise to support execution.

Items in GREEN are ACTION ITEMS for the future

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DDNPCX Location

- **The Deep Draft Navigation Planning Center of Expertise was assigned to South Atlantic Division August 2003.**
- **The Center is virtual with membership from Corps Districts and Labs having Deep Draft Navigation responsibilities.**
- **Day-to-Day activities are managed by Mobile District.**

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Mission Responsibilities

- **Strengthen planner competencies for Project Delivery Teams with technical expertise;**
- **Conduct Agency Technical Review;**
- **Manage Independent External Peer Reviews;**
- **Facilitate model certifications;**
- **Provide planner training; and**
- **Provide lessons learned and best practices to the larger Planning Community of Practice.**

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Mission Related Actions

Leading the Deep Draft Navigation & Small Boat Harbor Communities of Practice

- Knowledge Sharing
  - **Presentations on IEPR and model certification at MSC CoP and Planning Sub-Cop meetings/conferences**
  - ***Webinars available to all of USACE***
- Research and Development
  - **Participate in Navigation Model development with IWR (ongoing)**
  - **As member of Research Area Review Group establish R&D priorities**
  - **Recommend field staff participation in research efforts**
- **Technical Services**
  - **Provide technical advice/staffing recommendations upon request**
  - ***Webinars and onsite training covering technical issues***
- Outreach
  - **Presented at National Planning CoP Conference**
  - **Participated in National Navigation Conferences (AAPA, SA&CPA)**

Items in GREEN are ACTION ITEMS for the future

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Mission Related Actions

Training and Development

- **Assisted in curriculum refresh for Planner Core Curriculum courses**
- **Host Planning Associates Deep Draft Navigation Course in SAD and Small Boat Harbor Course in Alaska**
- ***Develop Container Workshop and Deep Draft Planning Course***
- **Maintains a Deep Draft Library of Reference Materials For Center's Use**
- ***Developing protocol for spreadsheet model certification***

Policy/Guidance Interpretation

- ***Conduct webinars on policy issues***
- **Closely coordinate with HQ Senior Policy Experts**

Items in GREEN are ACTION ITEMS for the future

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Mission Related Actions

Processes and Procedures to Support Mission Execution

- Peer Review
  - **Peer Review Plans: Review for technical completeness**
  - **ATR: Establish teams to conduct reviews.**
  - **IEPR: Execute and Manage Contract**
- Model Certification
  - **Recommended certification of IWR-Harborsym model**
  - **Working with IWR to develop new container shipping models**
  - **Have reviewed and approved approx 10 spreadsheet models**

- Process Improvement
  - **Developed flow charts for model certification**
  - **Working to develop PCX tracking system and document managemen**
  - **Worked jointly with other PCXs to identify ATR expectations**
  - **Worked jointly with other PCXs to ensure consistency on Review Pla**
  - **Presentation on "Art of Review" to ATR Teams and Planning Associat**
  - **Sharing SOW with other PCXs for IEPR**

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DDNPCX Organization

National Planning Advisory Board

South Atlantic Division Chief, Planning and Policy CoP

Director

Regional Planning Board

Day-to-Day Management

Mobile District

Core Virtual Members (Technical Experts)

Non Core Virtual Members (Practitioners)

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DDNPCX KEY TECHNICAL RESOURCES

- **Curtis Flakes – Technical Resource Leader**
- **Bernard Moseby – Technical Deputy Director**
- **Johnny Grandison – ATR /IEPR Coordinator**
- **Kim Otto/Todd Nettles/Frank Reynolds – Center Planners / Economists**
- **Terry Stratton and Dr. Dave Moser - Economic Advisors**
- **Paul Bradley – Environmental Advisor**
- **Todd Boatman – Plan Formulation Advisor and R&D Liaison**
- **Leveraged Staff from across the Corps**
  - **Technical Subject Matter Experts**
  - **Policy Subject Matter Experts**
  - **Planner w/ Significant experience**

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DDNPCX Virtual Personnel

- **Plan Formulation**
- **Coastal Environment**
- **Economics**
- **Engineering**
  - **H&H**
  - **Channel Design**
  - **Geotech**
  - **Cost Estimating**
- **Operations**
- **Real Estate**

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Highlights of Accomplishments to Date

- **Agency Technical Reviews**
- **Independent External Peer Reviews**
- **Model Certifications**
- **NETS Field Review Group**
- **Technical Review Guide**
- **DDN NED Manual Update**
- **Navigation Business Line Meetings**
- **Expansion of HarborSym Models**
- **Planning Ahead Articles**
- **Planning Associates (PA) Training**
- **Participate in and support IWR development of container models**

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Highlights of Accomplishments to Date

- Savannah Harbor, GA and SC
- Port Everglades, FL
- Gulfport Harbor Widening, MS
- Jacksonville Harbor, FL
  - Mile Point
  - Deepening GRR
- Manatee Harbor, FL
- Sabine Natchez Waterway, TX
- Western Lake Erie Basin Watershed Study
- Boston Harbor, MA
- Tampa Channel Widening, FL
- Canaveral Harbor, FL
- DMMP Bridgeport Harbor, CT
- Freeport Harbor, FL
- Wilmington Harbor, NC
- Houma Navigation Canal Deepening, LA
- Corpus Christi Ship Channel, TX
- Sacramento River Deep Water Ship Channel, CA
- Mobile Harbor Turning Basin, AL
- Approx 15 Peer Review Plans

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DDNPCX Funding

- **Direct Project Funds for review and consulting services as well as model certification.**
- **HQUSACE funding for development of guidance and training classes.**
- **R&D funding for technology transfer and field review.**
- **Funding for administrative activities is a concern.**

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Potential Deep Draft Navigation WRDA Projects

- **Boston Harbor, MA** **2010**
- **Savannah Harbor, GA & SC** **2010**
- **Sabine-Neches Waterway, LA** **2010**
- **Houma Nav Canal Deepening, LA** **2010**
- **Port Canaveral (Sec 203)** **2010**
- **Barbers Point Harbor, Oahu, HI** **2011**
- **Port Everglades, FL** **2011**
- **Jacksonville Harbor – Mile Point, FL** **2011**
- **Freeport Harbor, TX** **2011**
- **Jacksonville Harbor Deepening, FL** **2012**
- **Manatee Harbor, FL** **TBD**
- **Portsmouth Harbor, NH** **TBD**
- **Searsport Harbor, ME** **TBD**
- **Tampa Harbor, FL** **TBD**

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DDNPCX Work Plan

- Administration
- Review / Consulting
  - Project Peer Review Plans (PRP)
  - Agency Technical Review (ATR)
  - Independent External Peer Reviews (IEPR)
- Model Certification
  - Approved for Use
- Training
  - Deep Draft Manual
  - Peer Review Training
- Research & Development
- Communications

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FY 2011 Initiatives DDNPCX

- **Collaborate with IWR and advance development of Container Model**
- **Conduct DDN Workshop training with Corp expertise, R&D, industry and consultants**
- **Plan and Conduct webinars on DD Nav policy issues**
- **Improve DDNCX webpage information for Project Delivery Teams**
- **Strengthen Relationship with Port Associations**

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DDNPCX Current Initiatives

- **Building Reference Library**
- **World Fleet Initiative**
- **Resident Site for HarborSym D/W Model**
- **Depository for Panama Canal Expansion**
- **Depository for Northwest Passage**
- **Depository for Container Ship Knowledge Base**
- **Spreadsheet Model Certification Protocol**
- **Regional Sediment Management Economic Proponent**

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Top Three Challenges for the DDNPCX

1. **Funding for Administrative Functions**
2. **Relationships with other Corps Districts and Divisions, as well as non-Federal partners**
3. **Implementing Planning Model Certification Guidance**

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DDNPCX Partnerships

- **ITR/Consulting –** *Buffalo, Galveston, Jacksonville, Mobile, New Orleans, New York, Norfolk, San Francisco, Savannah, Vicksburg, Wilmington.*
- **Field Review Group –** *Buffalo, Mobile, New Orleans, Norfolk, Portland, San Francisco.*
- **Technology Transfer -** *Jacksonville, Galveston, Mobile, New Orleans, Detroit, Norfolk, New York, Wilmington, Charleston, ERDC, IWR.*
- **R&D Activities -** *IWR, ERDC, NDC*
- **External Partnerships –** *Georgia Port Authority, Mississippi State Port Authority, Alabama State Docks, Ports of Iberia, Houma & Morgan City, LA., Association of American Port Authorities Meeting in Charleston, SC., National Academy of Sciences.*

Communications Strategy for DDNPCX

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- **Deep Draft Planner Roster**
- **Conference Attendance**
- **Website / Groove Workspace**
- **Conference Display**
- **Planning Ahead Articles**
  - **Current PCX Activities**
  - **ITR Lessons Learned**
- **Brochures**
- **DDNPCX Logo**
- **PowerPoint Presentations**